

PRESSURE – TEMPERATURE RATINGS

BRONZE – Gate, Globe, Angle And Check Valves

MANUFACTURER’S STANDARDIZATION SOCIETY (MSS) STANDARD PRACTICE SP-80.

MSS-SP 80 provides a temperature pressure chart for 125, 150, 200, 300 and 350 class bronze valves, covering temperatures from - 20° F. to 550° F.

There are some special exceptions noted such as temperatures below - 20° F. and for solder joints, but this is a chart that provides the basic temperature pressure relationships for the bronze valves themselves. The maximum recommended pressure temperature ratings for solder joints vary with the solder and the size and they are specified in ANSI B16.18.

Press. Class End. Conn.	PRESSURE - PSI (SWP)							
	125	150		200	300		350	
Temp. deg. F	THD	THD	FLG	THD	THD	THD	FLG	THD
	MATERIAL							
	ASTM B-62			ASTM B-61				
-20° to 150°	200	300	225	400	1000	600	500	1000
200°	185	270	210	375	920	560	475	920
250°	170	240	195	350	830	525	450	830
300°	155	210	180	325	740	490	425	750
350°	140	180	165	300	650	450	400	670
400°	---	---	---	275	560	410	375	590
406°	125	150	150	---	---	---	---	---
450°	120	145	---	250	480	375	350	510
500°	---	---	---	225	390	340	325	430
550°	---	---	---	200	300	300	300	350